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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/769,137
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus et al.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	660-017
Total Number of Pages in This Submission	9

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Ward & Olivo 382 Springfield Ave. Summit, NJ 07901
Signature	<i>John H. Olivo, Jr.</i>
Date	6/18/04

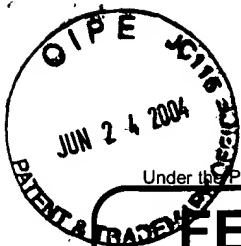
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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Edward P. Bakos, Esq.		
Signature	<i>[Signature]</i>	Date	6/18/04

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PTO/SB/17 (10-03)

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 180.00

**Complete if Known**

Application Number	09/769,137
Filing Date	01/25/2001
First Named Inventor	Spencer A. Rathus
Examiner Name	Le, Thien Minh
Art Unit	2876
Attorney Docket No.	660-017

**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
23 - 0420Deposit Account Name  
WARD & OLIVO

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$ ) 0	

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

		Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/>	-20** =	<input type="text"/>	X	<input type="text"/>	<input type="text"/>
Independent Claims	<input type="text"/>	-3** =	<input type="text"/>	X	<input type="text"/>	<input type="text"/>
Multiple Dependent					<input type="text"/>	<input type="text"/>

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$ ) 0	

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 180.00

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	John W. Olivo, Jr.	Registration No. (Attorney/Agent)	35,634	Telephone	908.277.3333
Signature		Date	6/18/2004		

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*IFW*  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Spencer A. Rathus et al.

Serial No.: 09/769,137

Group Art Unit: 2876

Filed: January 25, 2001

Examiner: Le, Thien Minh

For: METHOD AND APPARATUS FOR  
ACCESSING ELECTRONIC DATA  
VIA A FAMILIAR PRINTED MEDIUM

Atty Doc. No. 660-017

Honorable Commissioner for Patents  
P.O. Box 1430  
Alexandria, VA 22313-1430

LETTER

SIR:

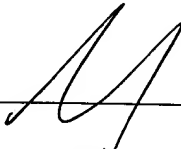
Please be advised of the following related co-pending applications:

Attorney Docket Number	Examiner	Serial Number
660-015	Kim, Ahshik	09/769,134
660-016	Le, Thien Minh	09/769,136
660-017	Le, Thien Minh	09/769,137
660-018	Le, Thien Minh	09/769,144
660-019	Le, Thien Minh	09/769,146
660-020	Le, Thien Minh	09/769,139
660-021	Le, Thien Minh	09/769,138
660-022	Kim, Ahshik	09/769,140
660-023	Le, Uyen-Chau N.	09/769,142
660-025	Le, Thien Minh	09/769,143
660-026	Le, Thien Minh	09/769,141
660-027	Kim, Ahshik	09/769,149
660-028	Kim, Ahshik	09/769,148
660-029	Le, Thien Minh	09/769,147
660-030	Le, Thien Minh	09/747,295
660-031	Kim, Ahshik	09/769,134

Please feel free to contact the undersigned attorney with any questions.

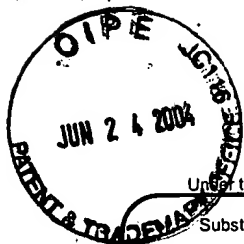
Respectfully submitted,

Date: June 17, 2004



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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

**Complete if Known**

Application Number	09/769,137
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	660-017

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 3,705,384	12-05-1972	Wahlberg	
	2	US- 3,735,350	05-22-1973	Lemelson	
	3	US- 3,976,995	08-24-1976	Sebestyen	
	4	US- 4,117,542	09-26-1978	Klausner et al.	
	5	US- 4,283,621	08-11-1981	Pembroke	
	6	US- 4,601,573	07-22-1986	Utsugi	
	7	US- 4,659,213	04-21-1987	Matsumoto	
	8	US- 4,711,994	12-08-1987	Greenberg	
	9	US- 4,723,212	02-02-1988	Mindrum et al.	
	10	US- 4,793,813	12-27-1998	Bitzer et al.	
	11	US- 4,812,879	03-14-1989	Suzuki	
	12	US- 4,820,167	04-11-1989	Nobles et al.	
	13	US- 4,839,507	06-13-1989	May	
	14	US- 4,897,865	01-30-1990	Canuel	
	15	US- 4,910,672	03-20-1990	Off et al.	
	16	US- 4,984,155	01-08-1991	Geier et al.	
	17	US- 5,002,491	03-26-1991	Abrahamson et al.	
	18	US- 5,021,984	06-04-1991	Meade et al.	
	19	US- 5,027,196	06-25-1991	Ono et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> "Kind Code" <sup>5</sup> (if known)				
	20	DE 2452202 A1	11-20-1975	Waterbury		
	21	JP 60-46,684	03-13-1985	Masaaki et al.		
	22	JP 62-98,334	05-07-1987	Yoshitomo, Abe		
	23	EP 357899 A	03-14-1990	Schulz		
	24	GB 2 232 119 A	12-05-1990	Webster et al.		
	25	JP 02103025 A	04-16-1990	Hirata, Hideyuk		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

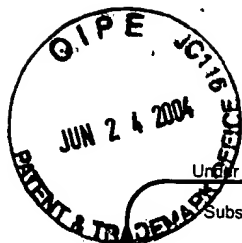
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06/28/2004 WABRHAM1 00000081 09769137

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 5**Complete if Known**

Application Number	09/769,137
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	660-017

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	26	US- 5,031,098	07-09-1991	Miller et al.	
	27	US- 5,111,196	05-05-1992	Hunt, Peter F.	
	28	US- 5,119,188	06-02-1992	McCalley et al.	
	29	US- 5,158,310	10-27-1992	Tannehill et al.	
	30	US- 5,168,303	12-01-1992	Ikenoue et al.	
	31	US- 5,173,851	12-22-1992	Off et al.	
	32	US- 5,181,062	01-19-1993	Kazumi, Jiro	
	33	US- 5,204,813	04-20-1993	Samph et al.	
	34	US- 5,222,624	06-29-1993	Burr	
	35	US- 5,235,509	08-10-1993	Mueller et al.	
	36	US- 5,262,860	11-16-1993	Fitzpatrick et al.	
	37	US- 5,287,181	02-15-1994	Holman	
	38	US- 5,287,266	02-15-1994	Malec et al.	
	39	US- 5,288,977	02-22-1994	Amendolia et al.	
	40	US- 5,295,064	03-15-1994	Malec et al.	
	41	US- 5,295,836	03-22-1994	Ryu et al.	
	42	US- 5,302,990	04-12-1994	Satoh et al.	
	43	US- 5,310,349	05-10-1994	Daniels et al.	
	44	US- 5,353,219	10-04-1994	Mueller et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	45	JP 02127792 A	05-16-1990	Oki, Shinji		
	46	JP 03151263 A	06-27-1991	Osawa		
	47	JP 03174693 A	07-29-1991	Ashida et al.		
	48	JP 04-023,183	01-27-1992	Masahide		
	49	JP 06110913 A	04-22-1994	Watanabe		
	50	JP 6-233,159	08-19-1994	Tsutomu		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
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(Use as many sheets as necessary)

Sheet 3

of 5

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Examiner Name	Le, Thien Minh
Attorney Docket Number	660-017

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	51	US- 5,368,129	11-29-1994	Von Kohorn	
	52	US- 5,369,571	11-29-1994	Metts	
	53	US- 5,385,371	01-31-1995	Izawa	
	54	US- 5,385,475	01-31-1995	Sudman et al.	
	55	US- 5,397,156	03-14-1995	Schach et al.	
	56	US- 5,401,944	03-28-1995	Bravman	
	57	US- 5,410,642	04-25-1995	Hakamatsuka et al.	
	58	US- 5,412,191	05-02-1995	Baitz et al.	
	59	US- 5,451,998	09-19-1995	Hamrick	
	60	US- 5,452,379	09-19-1995	Poor	
	61	US- 5,493,355	02-20-1996	Kazami	
	62	US- 5,500,681	03-19-1996	Jones	
	63	US- 5,505,494	04-09-1996	Belluci et al.	
	64	US- 5,506,697	04-09-1996	Li et al.	
	65	US- 5,551,011	08-27-1996	Danby et al.	
	66	US- 5,555,496	09-10-1996	Tackbary et al.	
	67	US- 5,559,714	09-24-1996	Banks et al.	
	68	US- 5,578,797	11-26-1996	Hewitt et al.	
	69	US- 5,612,868	03-18-1997	Off et al.	

**FOREIGN PATENT DOCUMENTS**

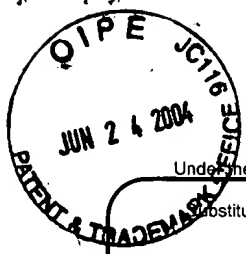
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	70	JP 07056941 A	03-03-1995	Tanaka et al.		
	71	JP 7-64,169	03-10-1995	Masaru, Mase		
	72	JP 11-355,699	06-05-1998	Yukihiro, Sai		
	73	JP 10269326 A	10-09-1998	Nakamura et al		
	74	JP 2001/142971	05-25-2001	Atsushi		

Examiner  
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

## Complete if Known

Application Number	09/769,137
Filing Date	1/25/2001
First Named Inventor	Spencer A. Rathus
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	660-017

Sheet 4 of 5

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	75	US- 5,615,123	03-25-1997	Davidson et al.	
	76	US- 5,644,408	07-01-1997	Li et al.	
	77	US- 5,751,590	05-12-1998	Cannon et al.	
	78	US- 5,801,944	09-01-1998	Kara	
	79	US- 5,870,030	09-11-7627	Deluca et al.	
	80	US- 5,872,589	02-16-1999	Morales	
	81	US- 5,948,040	09-07-1999	DeLorme et al.	
	82	US- 5,978,013	11-02-1999	Jones et al.	
	83	US- 5,978,648	11-02-1999	George et al.	
	84	US- 5,995,105	11-30-1999	Reber et al.	
	85	US- 6,002,491	12-14-1999	Li et al.	
	86	US- 6,064,832	05-16-2000	Sato et al.	
	87	US- 6,072,186	06-06-2000	Yokonuma et al.	
	88	US- 6,085,976	07-11-2000	Sehr	
	89	US- 6,095,418	08-01-2000	Swartz et al.	
	90	US- 6,149,441	11-21-2000	Pellegrino et al.	
	91	US- 6,269,342	07-31-2001	Brick et al.	
	92	US- 6,270,351	08-07-2001	Roper	
	93	US- 6,311,214	10-30-2001	Rhoads	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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